CLAIM AMENDMENTS

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

1. (Currently Amended) A method for executing a ~~re-configuration~~ reconfiguration after occurrence of a reconfiguration trigger in a self-configuring digital network comprising a plurality of physical nodes, said method comprising:~~after occurrence of a reconfiguration trigger, through upon detecting such trigger, communicating between various physical nodes their respective logical node identifiers and furthermore communicating functionality informations regarding their respective node stations, said method being characterized by, associated to such detecting, recognizing~~

detecting the reconfiguration trigger;

determining, in a first physical ~~particular~~ node, ~~such~~ other physical nodes that ~~before such trigger~~ had been conducting a communication relation with the first physical ~~said particular~~ node before the reconfiguration trigger;~~node,~~

marking all logical node mappings on the plurality of ~~various~~ physical nodes as invalid;~~,~~ ~~through said communicating of logical node identifiers establishing said reconfiguration, whilst executing the communicating of said functionality informations on a basis of necessity, further wherein whilst in association with said reconfiguration~~

updating, in the first physical node, mapping information for a second physical node marked as invalid only when the first physical node seeks to communicate with the second physical node; and

storing an overall network topology in a subset composed ~~made up~~ of any one or more physical nodes of the network.

2. (Original) A method as claimed in Claim 1, wherein such reconfiguration undertakes to re-establish an existing mapping pattern of logical identifiers from a hitherto communication- related sub-sets among said nodes, whilst seeking replacement of interrupted communication- relations on a basis of necessity.

3. (Previously Presented) A method as claimed in Claim 1, wherein upon detection of an invalid and unrestorable mapping, a network-wide query is undertaken for a replacement target node for effecting such mapping.

4. (Previously Presented) A method as claimed in Claim 1, wherein said subset is made up of only one physical node of the network.

5. (Original) A method as claimed in Claim 1, wherein said network is based on IEEE 1394 or USB.

6. (Currently Amended) A system for executing a reconfiguration after occurrence of a reconfiguration trigger in a self-configuring digital network comprising a plurality of physical nodes,

said system comprising:~~being arranged for implementing a method as claimed in Claim 1, and having reconfiguring means for executing a re-configuration in a self-configuring digital network after occurrence of a reconfiguration trigger, comprising detection means for detecting such trigger,~~

a detecting part that detects the reconfiguration trigger;

a communicating part that communicates respective logical node identifiers ~~communicating means for thereupon communicating~~ between the plurality of ~~various~~ physical nodes;~~, their respective logical node identifiers and furthermore communicating functionality informations regarding their respective node stations, said system having recognizing means for, associated to such detecting, recognizing~~

a determining part that determines, in a first physical ~~particular~~ node, ~~such~~ other physical nodes that ~~before such trigger~~ had been conducting a communication relation with the first physical ~~said particular~~ node before the reconfiguration trigger;~~node,~~

a marking part that marks ~~marking means for marking~~ all logical node mappings on the plurality of physical ~~various physical~~ nodes as invalid; and~~invalid, and said communicating means being operative for through said communicating of logical node identifiers establishing said reconfiguration, whilst executing the communicating of said functionality informations on a basis of necessity.~~

an updating part that updates, in the first physical node, mapping information for a second physical node marked as invalid only when the first physical node seeks to communicate with the second physical node.

7. (Original) An apparatus being arranged for operating as a node station in a system as claimed in Claim 6.